

INFORMATION DISCLOSURE STATEMENT LIST

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Complete if Known

Application Number	10/519,731
Intl. Filing Date	July 2, 2003
First Named Inventor	White et al.
Group Art Unit	Unassigned 1657
Examiner Name	Unassigned Dr. K.C. Srivastava

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
/K.S./	A1	3,710,795	01/16/73	Higuchi et al.	128	260	
/K.S./	A2	6,518,252	2/11/03	Wooley	514	290	

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
/K.S./	A3	WO 02/46193	06/13/02	3M INNOVATIVE PROPERTIES CO	YES

NON-PATENT DOCUMENTS

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
/K.S./	A4	Allen et al. "Identification and cloning of <i>waaf</i> (<i>rfaf</i>) from <i>Bordetella pertussis</i> and use to generate mutants of <i>Bordetella</i> spp. with deep rough lipopolysaccharide." J Bacteriol. 1998 Jan;180(1):35-40.
	A5	Anthony-Cahill et al., "Site specific mutagenesis with unnatural amino acids" TIBS, 14 (10): 400-403 (1989).
	A6	Barry III et al. "Use of genomics and combinatorial chemistry in the development of new antimycobacterial drugs." Biochem Pharmacol. 2000 Feb 1;59(3):221-231.
	A7	Benner, "Expanding the genetic lexicon: incorporating non-standard amino acids into proteins by ribosome-based synthesis" TIB Tech, 12 : 158-163 (1994).
	A8	Bodnar et al. J. Org. Chem. 62: 4737-4745, 1997.
	A9	Brown et al., "Efficient diastereoselective synthesis of anti α -bromo- β -hydroxyketones" Tet. Lett. ; 40, 7875-7877, 1999.
	A10	Bulman-Page et al. "A convenient preparation of symmetrical and unsymmetrical 1,2-Diketones: Application to fluorinated pheytoin synthesis" Tet. Lett. 48 (35): 7265-7274, 1992.
	A11	Creighton, T.E. "Proteins: Structure and Molecular Properties" W. H. Freeman & Co. , San Francisco pp 79-86 [1983].
	A12	Curran, "Reduction of Δ^2 -isoxazolines. A conceptually different approach to the formation of aldol adducts" Am. Chem. Soc., 104, 4024-4026, 1982.
	A13	Elliott et al. "Potential fold acid antanists. II. Deaza analogs of methotrexate. II. 2,4-Diamino-6-methyl-3-deazapteridine" J. Org. Chem., 31 : 1890-1894, 1966.
	A14	Elliott et al., "Potential folic acid antagoists. VI. The syntheses of 1- and 3-deazamethotrexate" J. Org. Chem. 36: 2818-2823, 1971.
	A15	English Jr. and Bliss, "The preparation of deamination of some 1,3-amino alcohols" J. Am. Chem. Soc. 78, 4057-4060, 1956.
	A16	Evans et al. "A review of antimicrobial peptides: defensins and related cationic peptides." Vet Clin Pathol. 1995;24(4):109-116.
/K.S./	A17	Fridkin et al. "Design, synthesis and biological evaluation of polymyxin B nonapeptide analogs: novel antimicrobial compounds." Dept. of Org. Chem., pp. 212-213.

Examiner Signature:

/Dr. K.C. Srivastava/

Date Considered:

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[K.S.]	A18	Fryer, R. I.; et al. In: Heterocyclic Compounds. John Wiley & Sons, Inc., pp. 209-420 (1991).
	A19	Haddad et al., "Stereocontrolled reductive amination of 3-Hydroxy ketones" TET LETT. 38 (34), 5981-5984, 1997.
	A20	Horner, "Tremor-producing aminopropionals" J. Org. Chem. 10, 387-391, 1967.
	A21	Hosokawa et al. "Palladium (II)-catalyzed cyclization of γ,δ -unsaturated alcohols synthesis of 2-vinyltetrahydrofurans" Tetrahedron Letters 21:1821-1824 (1976).
	A22	Ibba, "Strategies for <i>in vitro</i> and <i>in vivo</i> translation with non-natural amino acids" Biotechnology & Genetic Engineering Reviews 13: 197-216 (1995).
	A23	Ibba and Hennecke, "Towards Engineering Proteins by Site-Directed Incorporation <i>In Vivo</i> of Non-Natural Amino Acids" Bio/technology, 12: 678-682 (1994).
	A24	Jaeger et al. "Improved predictions of secondary structures for RNA" Proc. Natl. Acad. Sci. USA 86: 7706-7710, 1989.
	A25	Jaeger et al. "Predicting Optimal and Suboptimal Secondary Structure for RNA" Methods Enzymol. 183: 281-306, 1989.
	A26	Jiang, J.-L. et al. Synthetic Communications, 28 (2), 4137-4142, 1998.
	A27	Kashimura et al., "Synthesis of symmetrical and unsymmetrical 1,2-Diketones through cathodic intramolecular coupling of diesters" Tet. Lett. 38 (38), 6717-6720, 1997.
	A28	Kobayashi and Hachiya, "Lanthanide triflates as water-tolerant lewis acids. Activation of commercial formaldehyde solution and use in the aldol reaction of silyl enol ethers with aldehydes in aqueous media" J. Org. Chem. 59, 3590-3596, 1994.
	A29	Kokubo et al., "Rhodium-catalyzed coupling reaction of salicyl aldehydes via cleavage of the aldehyde C-H bond" J. Org. Chem. 62, 4564-4565, 1997.
	A30	Köpf-Maier and Saß, "Antitumor activity of treosulfan in human lung carcinomas" Cancer Chemother. Pharmacol. (1996) 37:211-221.
	A31	Kuebrick et al., "The mechanism of the benzoin condensation" J. Am. Chem. Soc. 93: 1214-1220, 1971.
	A32	Kuwajima et al., "Regiospecific directed aldol reactions of methyl ketones with aldehydes" Tet. LETT. 21, 1817-1820, 1976.
	A33	Le Roux et al, "New effective catalysts for mukaiyama-aldol and -michael reactions: BiCl ₃ -metallic iodide systems" J. Org. Chem. 58, 1835-1839, 1993.
	A34	Li, Chunhong, et al. "Design and synthesis of potent sensitizers of gram-negative bacteria based on cholic acid scaffolding" J. Am. Chem. Soc. 1998, 120:2961-2962.
	A35	Lister, Synthesis from Pyrimidines, Chapter II, J. Wiley & Sons, Inc.; (Taylor, E. C.; Ed.), 1996, pgs 21-59.
	A36	Madison-Antenucci, et al. "Measurement of Fluorescent FtsZ from Mycobacterium tuberculosis in a High-Throughput Polymerization Assay." T.M. ABSTRACT: Submitted to the Society for Biomolecular Screening, Portland, Oregon, September 20-26 (2003).
[K.S.]	A37	Marks and Walborsky, "Metallo aldimines 3. Coupling of lithium aldimines with aryl, vinyl, and acetylenic halides" J. Org. Chem. 47 : 52-56, 1982.

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[K.S.]	A38	Marks and Walborsky, "Metalloaldehydes. 4. Reaction of Lithium aldehydes with carbonyl compounds and with activated alkyl halides" J. ORG. CHEM. 46: 5405-5407 (1981).
	A39	Matsumoto and Hayashi, "Catalytic asymmetric synthesis of β -hydroxy ketones by Palladium-catalyzed asymmetric 1,4-disilylation of α,β -unsaturated ketones" Tetrahedron, 50 (2), 335-346, 1994.
	A40	Matyus et al., "Synthesis, antihypertensive and α -adrenoceptor activity of novel 2-aminoalkyl-3(2H)-pyridazinones" Eur. J. Med. Chem. 27, 107-114, 1997.
	A41	Mitchell, et al "Synthesis of symmetrical diaryl 1,2-diketones from Grignard reagents and 1,1'-oxalylimidazole" Tetrahedron Letters 34 (23) : 3683-3686, 1993.
	A42	Morihata, et al. "Stereoselective Synthesis of 1,3-Diol from β -Hydroxyacylsilane via rearrangement of phenyl group from silicon to carbon" TET. Lett. 6 (31), 5555-5558, 1995.
	A43	Mukalyama, "Metal enolates in organic synthesis" Pure & Appl. Chem. 55 (11), 1749-1758, 1983.
	A44	Mukalyama, et al "New cross-aldol reactions, reactions of silyl enol ethers with carbonyl compounds activated by titanium tetrachloride" J. Am. Chem. Soc. 96: 24, 7503-7509, 1974.
	A45	Mukherjee and Lutkenhaus "Analysis of FtsZ assembly by light scattering and determination of the role of divalent metal cations," J. Bacteriol. 199 Feb; 181(3):823-832.
	A46	Mukherjee et al. "Escherichia coli cell division protein FtsZ is a guanine nucleotide binding protein." Proc Natl Acad Sci U S A. 1993 Feb 1; 90(3):1053-1057.
	A47	Noyori, et al. "Erythro-selective aldol reaction via tris(dialkylamino)sulfonium enolates" J. Am. Chem. Soc., 103, 2106-2108, 1981.
	A48	Oishi, et al. "Remarkable enhancement of catalyst activity of trialkylsilyl sulfonates on the Mukalyama aldol reaction: a new approach using bulky organoaluminum cocatalysts" J. Am. Chem. Soc. 120, 8271-8272, 1998.
	A49	Olah, G. A. et al. "One-Flask Preparation of Symmetrical Ketones and 1,2-Diketones from Esters" Synthesis, 1 177-1179, 1991.
	A50	Qunying et al "Preparation and characterization of cholic acid-derived antimicrobial agents with controlled stabilities" Organic Letters 2: 2837-2840, 2000.
	A51	Ruegg et al., "Opioid-receptor subtype agonist-induced enhancements of sucrose intake are dependent upon sucrose concentration" Physiology & Behavior 62(1):121-128 (1997).
	A52	Seyferth, et al. "High yield acyl anion trapping reactions: synthesis of α -hydroxy ketones and 1,2-diketones" J. Org. Chem. 48 : 1144-1146, 1983.
	A53	Shi, et al. "Synthesis of Symmetric Diketones from Imidazolium Salt and Bis-Grignard Reagents" Chinese Chemical Letters, 11 (9), 757-760, 2000.
	A54	Shormacy, et al. "8-substituted furine ribosides: synthesis and biological activity" Nucleosides & Nucleotides, 8 (5&6): 911-913, 1996.
	A55	Solladie-Cavallo and Quazzotti, "1,1-Dichloro-2-methyl-2-trifluoroethylthium in Asymmetric synthesis II. A route to optically pure 4,4,4-trifluoro-2-hydroxybutanoic acid" Synthesis, 1 177-1179, 1991.
	A56	Sossong et al. "Self-Activation of Guanosine Triphosphatase Activity by Oligomerization of the Bacterial Cell Division Protein FtsZ" Biochem. 38: 14843- 50, 1990.
[K.S.]	A57	Stergiades and Tius, " α,β -unsaturated acyl silanes" J. Org. Chem. 64, 7547-7551, 1999.

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[K.S.]	A58	Stoilova et al. "A convenient one-flask synthesis of 1-Methylazetidinones from 3-Aminoalkanol, Triphosphine, and Carbon Tetrachloride" Synthesis Communications, 105-106, 1997.
	A59	Suling et al "Effect of Surfactants on Antibiotic Resistance" Antimicrob. Agents Chemother. 8: 334-343, 1975.
	A60	Suling et al. "Antimicrobial activities of 2,4-Diamino-5-Deazapteridine Derivatives and Effects of Mycobacterial Dihydrofolate Reductase" Antimicrobial Agents and Chemotherapy 44, 2784-2793, 2000.
	A61	Suling et al. "Susceptibilities of Mycobacterium tuberculosis and Mycobacterium avium complex to lipophilic deazapteridine derivatives, inhibitors of dihydrofolate reductase" Journal of Antimicrobial Chemotherapy 42, 811-815, 1998.
	A62	Takahashi, et al. "An efficient method for synthesis of symmetrical diketones via reaction of α -amino- α -arylacetonitriles (masked acyl anion equivalents) with alkyl dibromides" J. Org. Chem. 48 : 1909-1912, 1983.
	A63	Temple et al "Synthesis of potential anticancer agents: imidazo[4,5-c]pyridines and imidazo[4,5-b]pyridines." J Med Chem. 1987 Oct;30(10):1746-1751.
	A64	Temple et al. "Synthesis of Potential Antimalarial Agents" J. Heterocyclic Chem. 7: 451-454, 1970.
	A65	Temple, et al. "Antimitotic agents. Alterations at the 2,3-positions of ethyl (5-amino-1,2-dihydropyrido[3,4-b]pyrazin-7-yl)carbamates" J. Med. Chem. 34 : 3176-3181, 1991.
	A66	Temple, et al "Synthesis of potential antimalarial agents. VII. Azaquinolines I. the preparation of some pteridines and pyrido[3,4-b]pyrazines(I)" J. Heterocyclic Chem. 7: 1195-1202, 1970.
	A67	Temple, et al. "Synthesis of potential antimalarial agents IV. The preparation of 8-amino-3-(p-chlorophenyl)-6-[4-(diethylamino)-1-methylbutyl]amino]pyrido[2,3-b]pyrazine" J. Med. Chem. 13 : 853- 857, 1970.
	A68	Thorson et al., "A Biosynthetic Approach for the Incorporation of Unnatural Amino Acids into Proteins" Methods in Molec. Biol. 77: 43- 73 (1991).
	A69	Tsbery et al. "Modulation of the hydrophobic domain of polymyxin B nonapeptide: effect on outer-membrane permeabilization and lipopolysaccharide neutralization." Mol Pharmacol. 2002 Nov;62(5):1036-1042.
	A70	Verlhac, et al. "A versatile access to unsymmetrical and symmetrical α -ketones via organotin reagents" Tet. Lett. 26 (49): 6075-6078, 1985.
	A71	Waring, Comprehensive Organic Chemistry. The Synthesis and Reactions of Organic Compounds. (Stoddart, J. R.; Ed.), Pergamon Press, pgs. 1017- 1095; 1979.
[K.S.]	A72	White et al. "Slow polymerization of Mycobacterium tuberculosis FtsZ." J Bacteriol. 2000 Jul;182(14):4028-4034.
	A73	White et al. "Biochemistry of Mycobacterium tuberculosis FtsZ." Presentation.
[INCOMPLETE]	A74	White et al. "FtsZ, An essential bacterial division protein" Presentation.
[K.S.]	A75	White et al. "2-Alkoxy carbonylaminopyridines: inhibitors of Mycobacterium tuberculosis FtsZ." Journal of Antimicrobial Chemotherapy (2002) 50, 111-114.
[INCOMPLETE]	A76	Yoneda, et al. "Unequivocal Synthesis Of 6-Arylpteridines Y Intramolecular Cyclo-Additions Of Azahexatrienes" J. C. S. Perkin 1, 1336-1339.

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/K.S./	A77	Zoller, "New recombinant DNA methodology for protein engineering" Current Opinion in Biotechnology, 3: 348-354 (1992).
/K.S./	A78	Zuker, M. "On Finding All Suboptimal Foldings of an RNA Molecule" Science 244: 48-52,1989.

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